

CONTENTS OF VOLUME 43

Numbers 1

Land Available for Biomass Crop Production in Hawaii	1
Solutions	19
Accumulation of Heat Units	35
Is Agriculture Using More and More Energy? A French Case Study S. BONNY (France)	51
Risk Analysis of Disease Epidemics on Wheat by Simulation Studies Y. LUO, Z. R. SHEN & S. M. ZENG (People's Republic of China) A Decision Support Tool for the Vegetable Processing Industry; An Integrative	67
Approach of Market, Industry and Agriculture	91
J. M. VAN BERLO (The Netherlands)	
Book Reviews	111
Number 2 Decision Support Risk-Assessment and Simulation Models of the Costs of Leptospirosis in Dairy Herds	115
R. M. BENNETT (UK)	113
Spatial Dispersal of Exotic Pests—The Importance of Extreme Values D. G. MAYER, M. G. ATZENI & D. G. BUTLER (Australia) Development, Calibration and Validation of a Greenhouse Tomato Growth	133
Model: I. Description of the Model	145
Development, Calibration and Validation of a Greenhouse Tomato Growth	
Model: II. Field Calibration and Validation E. DAYAN (Israel), H. VAN KEULEN (The Netherlands), J. W. JONES (USA), I. ZIPORI, D. SHMUEL (Israel) & H. CHALLA (The Netherlands)	165
Modelling the Fate of Agricultural Pesticides in Australia	185

Design and vandation of an Ammai Traction Woulde for a Smannoider	100
Livestock Systems Simulation Model	199
J. VAN DER LEE, H. M. J. UDO &	
B. O. BROUWER (The Netherlands)	
Book Review	229
Number 3	
Number 3	
An Analytical Framework for the Design of Autonomous Enclosed Agro-	
Ecosystems	235
R. KOK & R. LACROIX (Canada)	
Systems Costings Model for Agricultural Contractors	261
S. M. WARD (Republic of Ireland)	
Were Farmers Wrong in Rejecting a Recommendation? The Case of Nitrogen	
at Transplanting for Irrigated Rice	271
S. FUJISAKA (The Philippines)	
Simulation of Wool Growth Rate and Fleece Characteristics of Merino	
Sheep in Southern Australia. Part 1—Model Description	287
P. J. BOWMAN, D. J. COTTLE (New Zealand),	
D. H. WHITE (Australia) & A. C. BYWATER (New Zealand)	
Simulation of Wool Growth Rate and Fleece Characteristics of Merino Sheep	
in Southern Australia. Part 2—Assessment of Biological Components of the	201
Model	301
D. J. COTTLE & A. C. BYWATER (New Zealand)	
Ex-Ante Profitability of Animal Traction Investments in Semi-arid Sub-Saharan	
Africa: Evidence from Niger and Nigeria	323
H. G. P. JANSEN (Nigeria)	323
Book Reviews	351
	331
Number 4	
Indiana Soybean System Model (ISSM): I. Crop Model Evaluation	357
K. NAGARAJAN, R. J. O'NEIL, J. LOWENBERG-DEBOER &	331
C. R. EDWARDS (USA)	
MIAMH, A Predictive Model of Range Ruminant Diets in Patchy Environments	381
D. GENIN & R. QUIROZ (Bolivia)	201
Risk Analysis in the Economic Appraisal of a Smallholder Agricultural Develop-	
ment Project in Papua New Guinea	397
K. A. ANAMAN (Australia)	
Energy Productivity of a Production System: Analysis and Measurement	415
B. S. PANESAR & R. C. FLUCK (USA)	
A Model for a Time-Dependent Economic Threshold for Chemical Control of	
Corn Earworm on Soybean	439
Y. YU, H. J. GOLD, R. E. STINNER & G. G. WILKERSON (USA)	
Livestock Productivity Assessment and Modelling	459
M. UPTON (UK)	